

NATIONAL 911 PROGRAM October 10, 2017



### State of 911 Webinar Series

- Designed to provide useful information about Federal and State participation in the planning, design, and implementation of Next Generation 911 (NG911) coupled with real experiences from leaders overseeing these transitions throughout the country
- Webinars are held every other month and typically include presentations from a Federal-level 911 stakeholder and State-level 911 stakeholder, each followed by a 10-minute Q&A period
- For more information on future webinars, access to archived recordings and to learn more about the National 911 Program, please visit 911.gov
- Feedback or questions can be sent to: <a href="Mattended-11Team@mcp911.com">National911Team@mcp911.com</a>



# Questions?

For WebEx Technical Assistance, please call: (866) 229-3239, Option 1

To ask a question, please use WebEx's "Chat" feature located on the right-hand side of your screen.



During the Q&A portion of the webinar, please click on "Raise Hand" and your phone will be unmuted.







## Agenda

- Overview of IPAWS
- How IPAWS is used today
- Changes to WEA coming
- National Advisory Council Subcommittee





### **IPAWS Federal Guidance**

#### Policy:

- Executive Order 13407 Public Alert and Warning System
  - Establishes policy of the United States to have an national warning system used by government officials at all levels of government to alert and warn people of all hazards

#### Law:

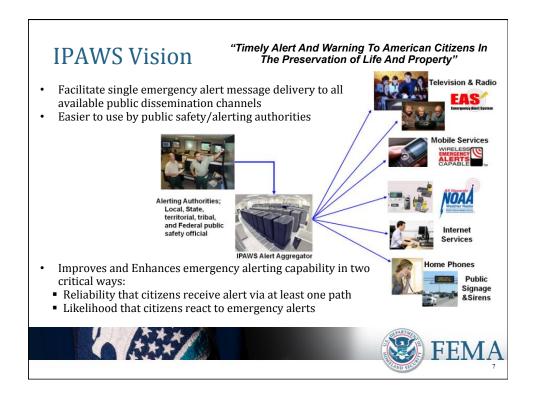
- ▶ Public Law 114-143, The IPAWS Modernization Act
  - Enacts to law the policy statement and similar requirements found in Executive Order 13407
- ▶ Section 706 of 47 U.S.C. 606, The War Powers Act
  - Provides for Presidential access to commercial communications during "a state of public peril or disaster or other national emergency"
- ▶ Public Law 93-288, The Stafford Act
  - Sec. 202. Disaster warnings directs FEMA to provide technical assistance to State and local governments to insure that timely and effective disaster warning is provided

#### Regulation:

- ▶ 47 CFR Part 11 Emergency Alert System (EAS)
- Provides for alert and warning on private sector radio and television infrastructure
- ▶ 47 CFR PART 10 Wireless Emergency Alerts (WEA)
- Provides for alert and warning to devices on wireless carrier networks





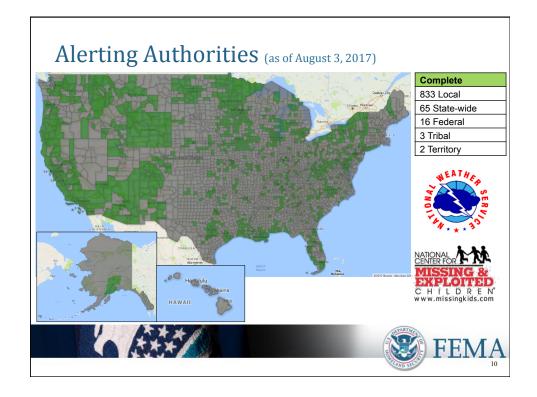


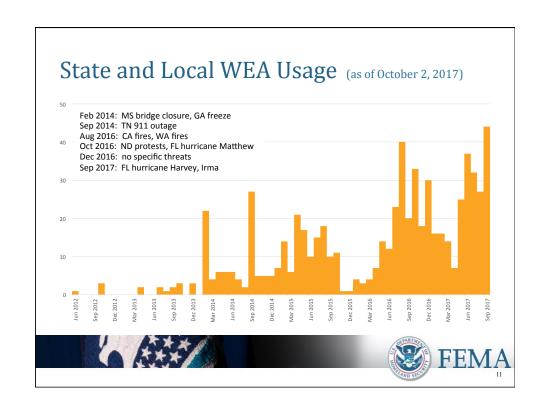


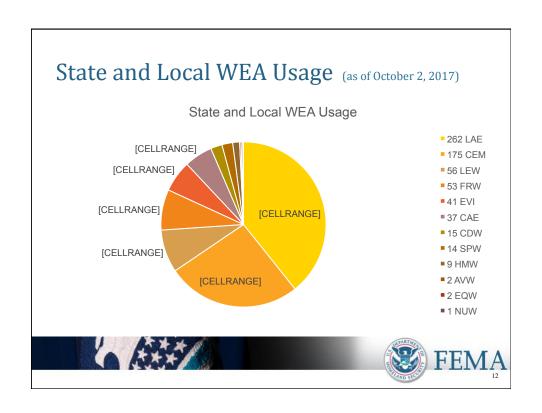
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09/17/17 FL Florida DEM	Monroe County has issued a Boil Water Notice
09/14/17 FL Florida DEM	There is NOT a boil water notice for Volusia County
09/14/17 FL Florida DEM	Generators Produce deadly odorless fumes. Do not use indoors or in garages
09/14/17 FL Florida DEM	Volusia County boil water notice. Residents are advised to boil water before consumption
09/14/17 FL Florida DEM	Monroe County water boil notice. Residents are advised to boil water before consumption.
09/11/17 FL Florida DEM	Coastal Citrus County, Dangerous Surge Imminent
09/11/17 FL Seminole County	The curfew for Seminole County will be rescinded at 11 a.m. today, Monday September 11th
09/10/17 FL Pinellas County	Strong winds are beginning to occur across Pinellas County. Take Shelter Immediately!
09/10/17 FL Florida DEM	Orange Co Gov issued Mandatory Evacuation Order for Mobile Homes effective immediately.
09/10/17 FL Florida DEM	Jefferson Co issued Voluntary Evacuation Order of Mbl Homes, Low Lying areas immediately
09/09/17 FL Seminole County	Seminole County evacuation issued for mobile manufactured homes and low lying areas
09/09/17 FL Citrus County	EXTREME HIGH STORM SURGE ANTICIPATED FOR WEST CITRUS COUNTY, EVACUATE NOW, DON'T WAIT.
09/09/17 FL Pinellas County	Pinellas under evacuation level A, B, All mobile homes. Evac to be completed by dusk today
09/08/17 FL Citrus County	Citrus County Mandatory Evacuation ordered. Check media outlets.
09/11/17 TX Galveston County	FOR FEMA ASSISTANCE CALL 1-800-621-FEMA (3362) OR www.fema.gov/apply-assistance
08/28/17 TX Galveston County	DICKINSON is under a MANDATORY EVACUATION. We may not be able to rescue anyone who stays.
08/27/17 TX Montgomery County	Spring Creek will be in major flood stage in the next 24hrs if you can leave, do so now.
08/27/17 TX Galveston County	First responders working on rescues, if able flag down rescue boats and personnel.
08/27/17 TX Harris County	Call 911 for LIFE THREATENING emergencies ONLY. STAY PUT IF SAFE. Monitor media

## WEA Gotchas

- Mercer Island's boi Dwater advisory has been lifted. See city website for more information
- Mercer Island's boil water advisory has been lifted. See city website for more information



### **Creative Work Arounds**

09/15/14	TN Tennessee EMA	In an emergency in Shelby County, use 90l5436333 or landline to call 911
09/15/14	TN Tennessee EMA	In an emergency in Weakly County, use 73l3645454 or landline to call 911
09/15/14	TN Tennessee EMA	In an emergency in Obion County, use 73l8853316 or landline to call 911
09/15/14	TN Tennessee EMA	In an emergency in McNairy County, use 73164534O6 or landline to call 911
09/15/14	TN Tennessee EMA	In an emergency in Madison County, use 73l4249677 or landline to call 911
09/15/14	TN Tennessee EMA	In an emergency in Henry County, use 73l6422424 or landline to call 911
09/15/14	TN Tennessee EMA	In an emergency in Henderson County, use 73l4256202 or landline to call 911
09/15/14	TN Tennessee EMA	In an emergency in Haywood County, use 731772I215 or landline to call 911
09/15/14	TN Tennessee EMA	In an emergency in Hardin County, use 73l9259007 or landline to call 911
09/15/14	TN Tennessee EMA	In an emergency in Gibson, use 73l56237l4 or landline to call 911
09/15/14	TN Tennessee EMA	In an emergency in Hardeman County, use 73l6585l01 or landline to call 911
09/15/14	TN Tennessee EMA	In an emergency in Gibson, use 73l5628176 or landline to call 911
09/15/14	TN Tennessee EMA	In an emergency in Fayette County, use 90l4653456 or landline to call 911
09/15/14	TN Tennessee EMA	In an emergency in Dyer County, use 73l2854O19 or landline to call 911
09/15/14	TN Tennessee EMA	In an emergency in Decatur County, use 73185239I1 or landline to call 911
09/15/14	TN Tennessee EMA	In an emergency in Crockett County, use 73l69621O4 or landline to call 911
09/15/14	TN Tennessee EMA	In an emergency in Chester County, use 73l9892787 or landline to call 911
09/15/14	TN Tennessee EMA	In an emergency in Carroll County, use 73l9868947or landline to call 911
09/15/14	TN Tennessee EMA	In an emergency in Benton County, use 73l279428O or landline to call 911



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### **WEA Improvements**

- Increase message length from 90 to 360 characters
  - 2.5 years (May 2019)
- Add new alert category, "Public Safety Messages"
  - 2.5 years (May 2019)
- Support URLs and phone numbers
  - 30 days for text URLs and phone numbers (Nov 2016)
  - 1 year for "clickable" URLs and phone numbers (Nov 2017)
- Spanish language WEA
  - 2 years (Nov 2018)
- WEA test code
  - 2.5 years (May 2019)



# FCC Further Notice of Proposed Rulemaking (a.k.a. Under Consideration)

- Defining the Modes of Participation in WEA
  - What do "in whole" and "in part" really mean?
- · Infrastructure Functionality
  - Is WEA really available everywhere there's coverage?
- Alert Message Preservation
  - Review old messages on the phone
- · Earthquake Prioritization
  - Alert delivery in less than 3 seconds, or your pizza is free
- Disaster Relief Messaging
- Many-to-one messaging
- Multimedia Alerting
  - Cell broadcast images to phones
- Multilingual
  - Beyond English and Spanish
- Matching the Geographic Area
  - Reach 100% of phones in targeted area with no more than 0.1 mile overshoot
- · WEA on 5G networks



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### **IPAWS Subcommittee Working Groups**

- IPAWS leadership determined that Working Groups were the preferred approach to address requirements as laid out in the IPAWS Modernization Act of 2015 (Public Law 114-143). The Working Group tasks reflect the Act's requirements
- · The key deliverables and tasks are as follows:
  - Through to April, 2019: Working Groups hold monthly / bi-weekly webinars to conduct research, deliberate, and provide recommendations for their assigned areas
  - October 2018: Working Groups submit recommendations to the IPAWS Subcommittee for deliberation and approval
  - November 2018: The IPAWS Subcommittee submits all the Working Group initiatives to the National Advisory Council (NAC) for their consideration and approval
  - November 2018-April 2019: Working Groups consider lesser priority areas while also addressing questions the NAC may have on your submission





### Working Groups and their areas of focus

#### · Group 1: Alert Writers and Alerting Authorities

- 1. Assess alert and warning protocols, standards, and terminology to provide timely and effective warnings
- 2. Ensure there are redundant alert mechanisms to reach the greatest number of people
- 3. Examine non-IPAWS subscription-based alerting systems (e.g., opt-in SMS text and email services)

#### Group 2: Public Needs

- Identify how to distribute alerts based on location, risks, personalization, and integrate symbology, while respecting privacy
- Assess how alerts can be provided to visitors (domestic and international) to ensure they receive timely warnings
   Provide effective alerts to the access and functional needs, and limited-English proficiency communities

#### Group 3: Stakeholder Engagement and Coordination

- 1. Examine how public education for public and private entities can improve the understanding of and responding to
- 2. Promote local and regional partnerships to enhance community preparedness and response, and engage with the
- 3. Provide recommendations on training, test, and exercise programs, including an IPAWS certification program

#### · Group 4: Future Technologies

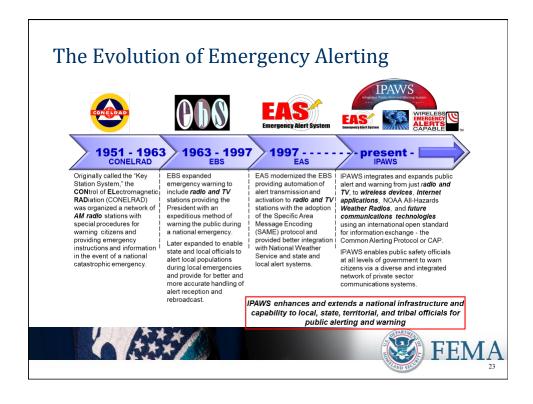
- Examine how future alerting technologies and the modernization of IPAWS can improve public alerts and warnings
- 2. Provide recommendations to ensure a resilient and secure public alerting system
- 3. Identify how alerts can reach the largest portion of the affected population feasible in a timely manner





ipaws@fema.dhs.gov





### **Alert Aggregation**

#### What the Aggregator does:

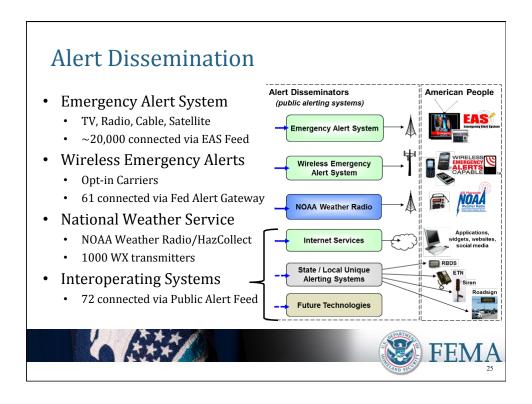
- 1. Authenticates sender
  - A. Web Service Security
  - B. Digital Signature
- 2. Validates CAP message
- 3. Verifies permissions
  - A. What alerts can you send
  - B. Where can you send them
  - C. How can you send them
- 4. Non-repudiation, message integrity
- 5. Gateway to EAS, WEA, NOAA WX

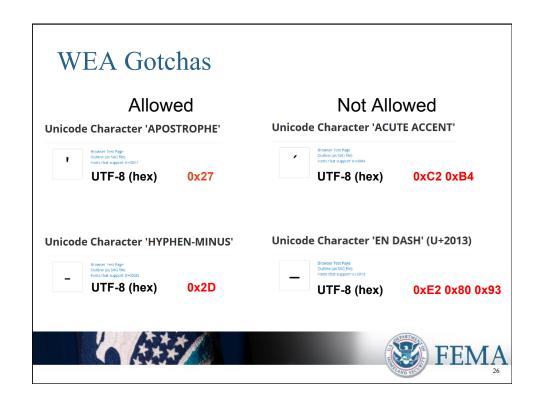




#### the Message Router (Open Platform for

Emergency Networks)





### Background of WEA Laws and Regulations

- 2006 WARN Act passed by Congress
- 2008 Original WEA rules and regulations
- 2012 WEA system operational
- 2013 CSRIC IV review rules, recommend changes
  - 3 of 31 members from emergency management discipline
  - Submitted final report to FCC October 2014
- 2015 CSRIC V recommended additional changes
  - 10 of 48 members from emergency management discipline
  - Submitted final report to FCC September 2016
- 2016 New WEA rules and regulations



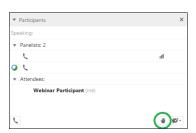


# **Q&A Period**

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- ▶ Idaho Public Safety Communications Commission
  - ▶Governance & Responsibilities (9-1-1 Commission)
  - ▶ Created PSAP Standards & Training Committee in 2010
    - ▶ Committee is comprised of regional representatives
      - ▶ 6 regions; city, county, state representatives
    - ▶Tenacious, collaborative, committed, and flexible

- Buy-in from key stakeholders
  - ▶ Sheriffs Association (44 Counties) and Police Chiefs of 5 city Primary PSAP:
  - Other stakeholders
    - ► ICOPA; ISP; ITD; IPAA; Idaho POST Council; Idaho EMSAC; IAC; Idaho FOP; IFCA; Idaho DHW; Nampa Police Department; Blaine County Emergency Communications; DIGB 1; DIGB 2; DIGB3; DIGB5; IPSCC; Idaho EMS Physicians Commission; and TSE Council
  - ► Legislative Support

- ▶ Tips
  - ▶ Listen
  - ▶ Compromise
  - May need to take "baby" steps; staged effort

- ▶ Education
  - ► Goal is to enhance public awareness
  - ► Statewide educational tour DALF
    - Advertise
    - ▶ Invitees dispatchers, first responders, chiefs, sheriffs, medic
  - ▶ Publish proposed language-make it accessible

- ▶ Transparency
  - Publish meeting minutes
  - Hold forum meeting:
    - Include Chiefs & Sheriffs
  - Proposed legislative language make it accessible
    - Make all stakeholders confident they will not be blindsided with surprises

- ▶ Find a Sponsor Idaho Sheriff's Association
  - ▶ Use advocates with positive and extensive recognition
- ► Solicit every conceivable stakeholder "letter of support" possible
- ► One-on-One meetings with key legislators on key committees
  - Share packet to include agency head letters of support, and proposed legislative language
  - ► Judiciary & Rules committee

- ▶ The Idaho Laws..
  - ► I.C. 19-5101 Defines ECO (emergency communications officer) as, "any emergency call taker or dispatcher whose
    - ► No distinction between primary PSAP and secondary PSAP emergency communications officers ALL must meet the new law.
  - I.C. 19-5116 Stipulates that any monies directed to the Idaho POST Academy funds from citations and etc. must now
    also be associated to support this mandated training and cartification.
  - ▶ 1.C. 19-5119 Establishes the authority and directs that the Idaha POST Council SHALL
    - Establish the requirements of minimum basic training for all emergency communications officers, in order to be eligible for permanent employment as an emergency communications officer, that can be completed within significant (18) months of employment as an emergency communications officer.
    - Establish such basic training and certification, to include alternative authorized council training, so that
      certification can be attained within eighteen (18) months of employment as an emergency communications
    - Establish the requirements of minimum training standards for employment as an emergency communications
      officer in probationary, temporary, part-time and emergency situations:
    - Certify emergency communications officers as having completed all requirements established by the council to
    - And, Maintain permanent files and transcripts for all emergency communications officers certified by the council,
      to include only courses or advanced courses of instruction successfully completed by such emergency
      communications officers and specifically required to obtain and maintain emergency communications officer foreith control while employed in this state. Such information shall be made available by the council to any
      employer upon the receipt of a signed waiver from the emergency communications officer to release such files
      and transcripts.

- ► Continued..
- The IPSCC (9-1-1 Commission) is responsible for recommending to Idaho POST what the minimum basic training and certification standards should be.
  - The council shall decertify any emergency communications officer convicted of any felony or offense
    that would be a felony if committed in Idaho. The council may decertify any emergency
    communications officer who:
    - ► Is convicted of a misdemeanor
    - ▶ Willfully or otherwise falsifies or omits any information to obtain any certified status; or
    - Violates any of the standards of conduct as established by the council's code of ethics, as adopted and amended by the council. All decertification proceedings taken by the council shall be conducted in accordance with chapter 52, title 67, Idaho Code.
  - "Grandfather Clause" not really "Any emergency communications officers who begin employment after July 1, 2017, shall be trained and certified within eighteen (18) months of employment. Current emergency communications officers who began employment between July 1, 2012, and June 30, 2017, shall comply with the training and certification provisions of this section by January 1, 2019. Current emergency communications officers who began employment prior to July 1, 2012, may comply with the training and certification provisions of this section at the discretion of their employers.

- ▶ The training requirement...
  - Using the APCO/NENA recommended minimum training guidelines developed by a coalition of SMFs/organizations with some Idaho specific requirements incorporated.
    - ▶ Telecommunicator roles and responsibilitie
    - 9-1-1 call processing
    - Radio communications
    - Emergency management
    - Emergency communications technology
    - Legal concepts
    - Interpersonal communications
    - Stress management
    - Quality assurance
    - ► On-the-job training guidelines
    - ▶ Ethics

- ▶ The Idaho Laws...
- ► SUCCESS IS SWEET! ©
  - ▶ Unanimous House committee passage
  - ▶ Full House passage (65 yea, 4 nay, 1 absent)
- ► Governor signed on April 19, 2017
- ► Effective July 1, 2017

- Lessons Learned...
  - ▶ Keep it simple
  - ▶ Don't try to achieve too much
  - Emotional, tearful testimony is not always effective
  - Rule of 80 (retirement)

### LEGISLATIVE PROCESS -THE IDAHO EXPERIENCE

▶ My contact information...



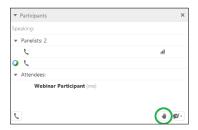
Captain Kevin Haight Statewide Communications 700 S. Stratford Dr., Bldg. 7 Meridian, ID. 83642 Tel: (208) 846-7555

# **Q&A Period**

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# **Future Webinars**

2017 Scheduled Webinars:

- Tuesday, October 10, 2017 at 12 noon ET
- Tuesday, December 12, 2017 at 12 noon ET
- To register, visit: <a href="https://tinyurl.com/2017Stateof911">https://tinyurl.com/2017Stateof911</a>
- Previous State of 911 webinars are available at: www.911.gov/webinars.html



# **National 911 Program**

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